



June 2020

Issue Highlights

- New Redfish Release 2020.1 Adds Support for Network Device Registry, Secure Boot Database and Signatures
- DMTF Releases Latest Version of Security Standard as Work in Progress
- 2020 Alliance Partner Technical Symposium (APTS) Changes
- In Case You Missed It • YouTube • Upcoming Events • More!

New Redfish Release 2020.1 Adds Support for Network Device Registry, Secure Boot Database and Signatures

DMTF's [Redfish®](#), Release 2020.1, is now available for public download. Designed to deliver simple and secure management for hybrid IT and the Software Defined Data Center (SDCC), the latest release of the Redfish standard includes 2 new schemas, 17 schema updates, and additional developer resources. The new release features support for the Network Device registry to provide Network Interface Card/networking adapter-specific events or status changes, Secure Boot Key Management, and Signatures.

Some of the items in the new Redfish 2020.1 update include:

- [2020.1 Redfish Schema Bundle](#) – This .zip file contains the current versions of all Redfish schema. Among the schema updates, are the additions of support for NetworkDevice registry to provide NIC / networking adapter-specific events or status changes and a minor release of *Base Registry* adding messages for additional HTTP error conditions. New schemas include the addition of *SecureBootDatabase and Signatures* for managing UEFI Secure Boot databases using Redfish. The schema updates include *SecureBoot, Certificate, CertificateCollection, and CertificateLocations*.
- [Redfish Specification v1.10.0](#) – This minor revision adds support for “deep operations” that allow multiple resources to be updated with a single operation, a reorganization of the Security clause, and sets a minimum requirement of TLS v1.2 or later. Additionally, a number of errata and clarifications were included in this release.
- [Redfish Release 2020.1 Overview](#) – This presentation provides detailed descriptions of each revision in Redfish 2020.1.
- [Redfish Resource and Schema Guide](#) – Updated for 2020.1, this human-readable guide to the Redfish Schema is designed to help educate users of Redfish. Application developers and DevOps personnel creating client-side software to communicate with a Redfish service, as well as other consumers of the standard, will benefit from the explanations in this resource.
- [Redfish Property Guide](#) – Intended primarily for schema authors, this newly revised reference helps with locating existing property definitions within the Redfish schema.
- [Redfish Release History](#) – Updated with each new release, this presentation offers a comprehensive view of each revision to Redfish since 2016.

Developers are encouraged to review these WIP schemas and provide comment before they are finalized. Please submit input via the DMTF Technology Submission and Feedback Portal [here](#).

To learn more about Redfish, click [here](#) or – for developers – visit the [Redfish Developer Hub](#) today. A one-stop, in-depth technical resource – by developers, for developers – the Redfish Developer Hub provides all the files, tools, community support, tutorials and other advanced education you may need to help you use Redfish.

Technical work on the Redfish standard takes place in DMTF's [Redfish Forum](#). To find out how you can join and contribute to this standard, click [here](#).

DMTF Releases Latest Version of Security Standard as Work in Progress

DMTF recently announced the public release of its [Security Protocol and Data Model \(SPDM\) Specification 1.1.0b](#) and is available for download as a Work in Progress (WIP). This specification – developed by the [Platform Management Components Intercommunication \(PMCI\)](#) Security Task Force – continues to incorporate the input of the organization's [Alliance Partners](#) to help align component authentication, confidentiality, and integrity objects across the industry.

The SPDM Specification provides message exchange, sequence diagrams, message formats, and other relevant semantics for authentication, firmware measurement, certificate retrieval, and session key exchange protocols to enable confidentiality and integrity protected data communication thus enabling encrypted and authenticated communication of data in flight.

Other specifications define the mapping of these messages to different transports and physical media. SPDM enables efficient access to low-level security capabilities and operations. In addition to releasing regular WIP specifications for industry feedback, the organization continues to work on an aggressive development schedule.

Designed to be referenced by other standards organizations and developers, DMTF invites public comment on the SPDM WIP specifications before they are finalized. Feedback may be submitted on our website at <https://www.dmtf.org/standards/feedback/>.

For more information about the PMCI Working Group and the platform management standards it defines, please visit <https://www.dmtf.org/standards/pmci/>.

Alliance Partner Technical Symposium (APTS) Changes

Due to recent state and federal government recommendations regarding attending large events, APTS 2020 in July in Portland, Oregon, is exploring a virtual event option (for the same week in July). Stay tuned for more information.

In Case You Missed It

DMTF's Exhibit at the OCP Virtual Summit is Available On Demand

DMTF recently participated in the [Open Compute Project \(OCP\) Virtual Summit](#), May12-15, 2020, as an [exhibitor](#). Executives and representatives chatted with attendees, provided additional information, and answered questions about DMTF standards.

Thank you to everyone who came by the booth. If you missed out on anything or weren't able to attend...no need to worry as the virtual booths and all associated content will be available until [OCP 2021!](#)

You can register and log in for free at <https://www.opencompute.org/summit/global-summit/>. To access the DMTF booth directly click [here](#). We hope to see you at OCP2021!

DMTF and CXL™ Consortium Establish Work Register

As part of DMTF's [Alliance Partner program](#), the organization and the [Compute Express Link™ \(CXL™\) Consortium](#) have agreed to a new work register, which outlines areas of technical collaboration between the two organizations.

As part of its agreement with DMTF, the CXL Consortium plans to provide CXL expertise and assistance to the [Redfish Forum](#), assist in extending the [Redfish](#) standard to include CXL management, and ensure CXL management support in standards developed by DMTF's [Platform Management Components Intercommunication](#) working group.

Click [here](#) to view the work register detailing this Alliance Partner relationship.

DMTF on YouTube

Check out latest videos and be sure to subscribe to the [DMTF YouTube Channel!](#) to stay up-to-date with our current and upcoming webinars.

Information about the DMTF's leadership, technologies, and how to participate can be found at www.dmtf.org. Contact us online or reach us at <http://www.dmtf.org/contact>.

Newsletter Feedback

We welcome your input on what you'd like to see included here – just [Contact Us](#) online and share your suggestions!

Upcoming Events

[Storage Developer Conference \(SDC\)](#)
September 21-24, 2020
Santa Clara, CA

Click [here](#) for the latest information on DMTF Events.

OpenFabrics Alliance (OFA) and Gen-Z Consortium Announce MoU Agreement

Potential activities outlined in the agreement include joint development of a roadmap guiding future enhancements and development of the [libfabric](#) API as well as an abstract fabric manager built on the concepts of Distributed Management Task Force's (DMTF) [Redfish®](#) standard. Read the full announcement [here](#).

Need a DMTF Logo for your Marketing Materials?

We've got you covered! Email press@dmtof.org for the DMTF and/or Redfish logo files as well as the most current Logo Usage Guidelines and Graphic Standards. We've recently updated the usage guidelines to include the use of the Redfish logo on a dark background.

Recent DMTF Specifications

- [DSP2051 1.0.0 \(Redfish Telemetry White Paper\)](#)
- [DSP0266 1.9.1 \(Redfish Specification\)](#)
- [DSP0266 1.10.0 \(Redfish Specification\)](#)
- [DSP8010 2020.1 \(Redfish Schema\)](#)
- [DSP8011 2020.1 \(Redfish Standard Registries\)](#)
- [DSP0268 2020.1 \(Redfish Schema Supplement\)](#)
- [DSP2046 2020.1 \(Redfish Resource and Schema Guide\)](#)
- [DSP2053 2020.1 \(Redfish Property Guide\)](#)
- [DSP0237 1.2.0 \(MCTP SMBus/I2C Transport Binding Specification\)](#)

Upcoming DMTF Meetings



- 6/18 Board Meeting
- 7/23 Board Meeting
- 8/20 Board Meeting

Click Here to Get All the Latest News Delivered to Your Inbox!

About DMTF

The DMTF creates open manageability standards spanning diverse emerging and traditional IT infrastructures including cloud, virtualization, network, servers and storage. Member companies and alliance partners worldwide collaborate on standards to improve the interoperable management of information technologies. The organization is led by a diverse board of directors from Broadcom Inc.; Cisco; Dell Technologies; Hewlett Packard Enterprise; Hitachi, Ltd.; HP Inc.; Intel Corporation; Lenovo; NetApp; and Software AG.

